

Patent Claims

1. A valve which comprises a housing (5) having a valve seat (4) for a two-part flap (2) which is mounted rotatably on a drive shaft (1), in which a piston sealing ring (3) and a cover disk (6) are arranged adjacently and outwardly circumferentially between the first part (2a) and the second part (2b) of the two-part flap (2), the diameter of the cover disk (6) being smaller than the diameter of the piston sealing ring (3) which is configured as a metal ring with a gap (3').
2. The valve as claimed in claim 1, in which the diameter of the cover disk (6) is smaller by from 0.1 to 0.2 mm than the diameter of the piston sealing ring (3).
3. The valve as claimed in claim 1 or claim 2, in which the first part (2a) and the second part (2b) of the two-part flap (2) are configured identically and as circular cylinders having a circularly limited projection (2a') which is arranged on a transverse side of the circular cylinder.
4. The valve as claimed in one of claims 1 to 3, in which the first part (2a) or the second part (2b) of the two-part flap (2) which is immediately adjacent to the cover disk (6) has cut-outs (2b') which are arranged adjacently on its outer edge.
5. The valve as claimed in claim 4, in which the cut-outs (2b') extend in a parabola shape as seen in plan view.
6. The valve as claimed in one of claims 1 to 5, in which the cover disk (6) has a serrated profile (6') extending inwardly.
7. The use of the valve as claimed in one of claims 1 to 6 as a gas recirculation valve of a motor vehicle.